

- PI 564795 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW80070-F6011. **pedigree:** Luke*2/PI 178210/Stephens. **remarks:** Medium height, mid-late, winter. Spike awned, lax. Glume white. Kernel white, semi-hard, ovate, mid-long. Germ small. Crease wide, tends to pit near brush, deep. Cheeks angular. Brush mid-size, short. Resistance to endemic *Tilletia controversa* near Flora, OR. Good winter survival under snow. Cold hardiness moderate. Quality fair-low ash, poor sponge cake volume. Winter Annual. Breeding Material. Seed.
- PI 564796 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW80070-F6013. **pedigree:** Luke*2/PI 178210/Stephens. **remarks:** Medium height, mid-late, winter. Spike awned, lax. Glume white, mid-long, mid-wide. Shoulder narrow, oblique/elevated. Beak acuminate to 4mm. Kernel white to 2% red, mid-long, elliptical. Germ medium. Crease mid-wide, mid-deep. Cheeks rounded. Brush small, short. Resistant to endemic *Tilletia controversa* near Flora, OR. Good winter survival under snow. Cold-hardiness moderate. Very good test weight. Good mill score and cake volume. Winter Annual. Breeding Material. Seed.
- PI 564797 **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon Agric. Exp. Station, Columbia Basin AREC, Pendleton, Oregon United States. **origin institute id:** FW81427-HS006. **pedigree:** Triticum timopheevi/2*Pullman-101/2/OR7721. **remarks:** Mid-tall, mid-season, winter. Spike awned, lax. Glume bronze. Kernel white, soft, tend to ovate, mid-long. Germ small. Crease mid-wide, mid-deep. Cheek rounded. Brush mid-size, short. Resistant to endemic *Tilletia controversa* near Flora, OR, and race 23 common bunt tested as R90-1019 (R.J. Metzger). Possible tolerance to *Cephalosporium Stripe*. Good winter survival. Fair milling quality, but lacks cookie spread and sponge cake volume. Winter Annual. Breeding Material. Seed.